

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1-24. (canceled)

25. (previously presented) A recording and/or reproduction apparatus for recording and/or reproducing information onto and/or from a disc type recording medium, comprising:

a recording unit operable to record said information in recording units of respective lengths on the recording medium and management information to at least two locations of a logical volume; and

a controller operable to generate said management information including identification information indicating one of a plurality of respective types of information, the type of information including at least AV data and non-AV data, the type of information being determinative of the length of recording units used to record the information.

26. (previously presented) A recording and/or reproduction apparatus according to claim 25, wherein the management information recorded by said recording unit includes information at least of a defective sector or sectors and an unused sector or sectors.

27. (previously presented) A method for recording and/or reproducing information onto and/or from a disc type recording medium, comprising the steps of:

recording said information in recording units of respective lengths on said recording medium; and

recording management information to at least two locations of a logical volume, said management information including identification information indicating one of a plurality of respective types of information, the type of information including at least AV data and non-AV data, the type of information being determinative of the length of recording units used to record the information.

28. (previously presented) A recording medium for providing program which can be read by a computer for causing a recording and/or reproduction apparatus for recording and/or reproducing information onto and/or from a disc type recording medium to execute the steps of:

recording said data in recording units of respective length on the recording medium; and

recording management information to at least two locations of a logical volume, said management information including identification information indicating one of a plurality of respective types of information, the type of information including at least AV data and non-AV data, the type of information being determinative of the length of recording units used to record the information.